

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention

Method and Apparatus for Multiboard Fiber Optic Modules and Fiber Optic Module Arrays

Application Number:

09/833138

Confirmation Number:

1627

First Named Applicant:

Wenbin Jiang

.

Attorney Docket Number: 3918P002XX5

Art Unit:

2633

Examiner:

Agustin Bello

Search string:

(6024500 or 6213651 or 6369924 or

6457875).pn.

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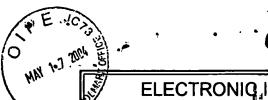
US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

in/t	Cite.No.	Patent No.	Date	Patentee	Kind Class	Subclass
	1	6024500	2000-02-15	Wolf,		
13	2	6213651	2001-04-10	Jiang, , et al.		
图	3	6369924	2002-04-09	Scharf, , et al.		
扬	4	6457875	2002-10-01	Kropp, , et al.		

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ELECTRONIQ, INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention Method and apparatus for multiboard fiber optic modules and fiber optic module arrays

Application Number:

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Confirmation Number:

1627

First Named Applicant:

Edwin Dair

Attorney Docket Number: 003918P002XX5

918P002XX5

Art Unit:

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Examiner: Search string:

Agustin Bello

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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
囚	1	4856091	1989-08-08	Taska			
	2	4912521	1990-03-27	Almquist, et al.		•	
13	3	5109454	1992-04-28	Okuno, et al.]		
15	4	6369924	2002-04-09	Scharf, et al.	1		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 7

Comp	lete if Known		
Application Number	09/833,138		
Filing Date	04/10/01		
First Named Inventor	Edwin Dair, et al.	PE/	`
Group Art Unit	2633		EIVED
Examiner Name	Unassigned	MAY	

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U.S. PATENT DOCUMENTS

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		0.6.	PATENT DOCUMENTS			
Exam.	Document				Sub-	Filing Date
Initials	Number	Date	Name	Name Class		(if appropriate)
2	3,792,284	2/12/74	Kaelin	•	1	
En l	3,809,908	5/7/74	Clanton			
13	3,870,396	3/11/75	Racki, et al.			
名	3,976,877	8/24/76	Thilays			
73	4,161,650	7/17/79	Caouette, et al.			
10	4,229,067	10/21/80	Love			
10	4,273,413	6/16/81	Bendikens, et al.			
28	4,347,655	9/7/82	Zory, et al.			
36	4,419,072	4/10/79	Smith, et al.			
7	4,432,604	2/21/84	Schwab			
	4,446,515	5/1/84	Sauer, et al.			
<i>A</i> 3.	4,449,244	5/15/84	Kopainsky			
1/2	4,461,537	7/24/84	Raymer, II, et al.			
10	4,493,113	1/8/85	Forrest, et al.			
85	4,533,209	8/6/85	Segerson, et al.			
	4,534,616	8/13/85	Bowen, et al.			
*	4,535,233	8/13/85	Abraham			
1	4,539,476	9/3/85	Donuma, et al.			
23	4,542,076	9/17/85	Bednarz, et al.			
12	4,549,782	10/29/85	Miller		-	

FOREIGN PATENT DOCUMENTS

Exam. Initials	Document Number	Date	Country	Class	Sub- class	Trans Yes	lation No
3	0 652 696 A1	11/2/94	EPO		0.200		110
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Application Number	09/833,138	2	
Filing Date	04/10/01	HEC	EIVED
First Named Inventor	Edwin Dair, et al.	Many	0
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U.S. PATENT DOCUMENTS

Exam.	Document		TATENT DOCUMENTS	T		Sub-	Filing Date
Initials	Number	Date	Name	Class class		class	(if appropriate)
15	4,549,783	10/29/85	Schmachtenberg, III	7	\Box		
13	4,553,811	11/19/85	Becker, deceased, et al.				
20	4,580,295	4/1/86	Richman				
4	4,595,839	6/17/86	Braun, et al.				
杨	4,612,670	9/16/86	Henderson				
75	4,625,333	11/25/86	Takezawa, et al.				
13	4,647,148	3/3/87	Katagiri				
100	4,678,264	7/7/87	Bowen, et al.				
75	4,720,630	1/19/88	Takeuchi, et al.				
老	4,727,248	2/23/88	Meur, et al.				
1	4,807,955	2/28/89	Ashman, et al.				
(A)	4,840,451	6/20/89	Sampson, et al.				
13	4,844,581	7/4/89	Turner				
13	4,881,789	11/21/89	Levinson				
73	4,897,711	1/30/90	Blonder, et al.				
3	4,913,511	4/3/90	Tabalba, et al.				
4	4,945,229	7/31/90	Daly, et al.				
7	4,979,787	12/25/90	Lichtenberger				
**	4,986,625	1/22/91	Yamada, et al.				
5	4,989,934	2/5/91	Zavracky, et al.				

FOREIGN PATENT DOCUMENTS

Exam. Initials	Document Number	Date	Country	Class	Sub- class	Translation Yes No	

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Initials	Number	Date	Name	Class	class	(if appropriate)
75	5,005,939	4/9/91	Arvanitakis, et al.			
13	5,011,246	4/30/91	Corradetti, et al.			
to	5,039,194	8/13/91	Block, et al.			
友	5,043,775	8/27/91	Lee			
Z	5,093,879	3/3/92	Bregman, et al.			
20	5,099,307	3/24/92	Go, et al.			
25	5,104,243	4/14/92	Harding			
43	5,109,453	4/28/92	Edwards, et al.			
カー	5,117,476	5/26/92	Yingst, et al.			
As I	5,122,893	6/16/92	Tolbert			
1	5,136,152	8/4/92	Lee			
2	5,155,786	10/13/92	Ecker, et al.			
Z	5,159,190	10/27/92	Hohberg, et al.			
13	5,168,537	12/1/92	Rajasekharan, et al.	11		<u> </u>
A	5,202,943	4/13/93	Carden, et al.			
25	5,241,614	8/31/93	Ecker, et al.			
do	5,259,054	11/2/93	Benzoni, et al.			
名	5,280,191	1/18/94	Chang			
10	5,285,512	2/8/94	Duncan, et al.			
B	5,289,345	2/22/94	Corradetti, et al.		7	

FOREIGN PATENT DOCUMENTS

Exam. Initials	Document Number	Date	Country	Class	Sub- class	Transl Yes	ation No
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U.S. PATENT DOCUMENTS

		0.5.	FATENT DOCUMENTS			
Exam.	Document				Sub-	Filing Date
Initials	Number	Date	Name	Class	class	(if appropriate)
75	5,295,214	3/15/94	Card, et al.			
L	5,337,396	8/9/94	Chen, et al.	1		
L	5,337,398	8/9/94	Benzoni, et al.			
75	5,345,524	9/6/94	Lebby, et al.			
1	5,361,244	11/1/94	Nakamura, et al.			
2	5,414,787	5/9/95	Kurata		1	
力	5,416,668	5/16/95	Benzoni			
1	5,416,870	5/16/95	Chun, et al.			
3	5,416,871	5/16/95	Takahashi, et al.	1		
98	5,416,872	5/16/95	Sizer, II et al.			
乜	5,428,704	6/27/95	Lebby, et al.			
名	5,434,747	7/18/95	Shibata			
1/2	5,446,814	8/29/95	Kuo, et al.			
4	5,452,387	9/19/95	Chun, et al.			
E	5,455,703	10/3/95				
An I	5,462,630	- 7/11/95	Lebby, et al.			
13	5,473,715	12/5/95	Schofield, et al.			
13	5,475,783	12/12/95	Kurashima			
A3	5,482,658	1/9/96	Lebby, et al.			
13	5,499,311	3/12/96	DeCusatis			

FOREIGN PATENT DOCUMENTS

Exam. Initials	Document Number Date	Document Number Date Country					Sub-		
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STATEMENT BY APPLICANT

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Filing Date	09/833,138 Technology Cer	ter 2600		
First Named Inventor	Edwin Dair, et al.			
Group Art Unit	2633			
Examiner Name	Unassigned			
Attorney Docket Number	003918.P002XX5			

U.S. PATENT DOCUMENTS

Exam.	Document				Sub-	Filing Date
Initials	Number	Date	Name	Class	class	(if appropriate)
13	5,499,312	3/12/96	Hahn, et al.			
套	5,515,468	5/7/96	DeAndrea, et al.			
お	5,528,408	6/18/96	McGinley, et al.			
ね	5,535,296	7/9/96	Uchida			•
	5,537,391	8/9/94	Lebby			
160	5,546,281	8/13/96	Poplawski, et al.			
名	5,548,677	8/20/96	Kakii, et al.			
名	5,550,941	8/27/96	Lebby, et al.			
75	5,561,727	10/1/96	Akita, et al.			
1	5,596,663	1/21/97	Ishibashi, et al.			
為	5,636,298	6/3/97	Jiang, et al.			
13	5,687,267	11/11/97	Uchida			
杨	5,708,743	1/13/98	DeAndrea, et al.			
7 7	5,717,533	2/10/98	Poplawski, et al.			
君	5,734,558	3/31/98	Poplawski, et al.			
名	5,736,782	4/7/98	Schairer -			
, , , , , , , , , , , , , , , , , , , 	5,751,471	5/12/98	Chen, et al.			
君	5,767,999	6/16/98	Kayner			
-Kon	5,774,614	6/30/98				
多	5,778,127	7/7/98				

FOREIGN PATENT DOCUMENTS

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	STATEMENT I			First Named Inventor	Edwin Dair, et al.	
				Group Art Unit	2633	
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Sheet	6	of	7	Attorney Docket Number	003918.P002XX5	

U.S. PATENT DOCUMENTS

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Exam.	Document				Sub-	Filing Date
Initials	Number	Date	Name	Class	class	(if appropriate)
46	5,812,582	9/22/98	Gilliland, et al.		1	
98	5,812,717	9/22/98	Gilliland, et al.			
1	5,815,623	9/29/98	Gilliland, et al.			
7	5,864,468	1/26/99	Poplawski, et al.			
th	5,879,173	3/9/99	Poplawski, et al.			
48	6,061,493	5/9/00				
180	6,071,017	6/6/00	Gilliland, et al.			
12	Re 63,820	8/15/00	McGinley, et al.			
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FOREIGN PATENT DOCUMENTS

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collection of information unless it contains a valid OMB control number.

RECEIVED Substitute for Form 1449A/PTO Complete if Known Application Number 09/833,138 Filing Date 04/10/01 INFORMATION DISCLOSURE Technology Center 2600 First Named Inventor Edwin Dair, et al. STATEMENT BY APPLICANT **Group Art Unit** 2633 Unassigned 003918.P002XX5 Examiner Name (Use as many sheets as necessary.) Attorney Docket Number Sheet

		OTHER ART (Including Title, Author, Date, Pertinent Pages, etc.)
Exam.	Cite	Document Identification
Initials	No.1	
45		BUCZYNSKI, et al., Fast Optical Thresholding with an Array of Optoelectronic Transceiver Elements, IEEE Photonics Technology Letters, Vol. 11, No. 3, March 1999
<i>A</i>		HEINRICH, et al., Low-Cost VCSEL-Transceiver Module for Optical Data Busses, IEEE, 1997
L		ROSINSKIE, et al., Multichannel Transmission of a Mulitcore Fiber Coupled with Vertical-Cavity Surface-Emitting Lasers, Journal of Lightwave Tech, Vol. 17, No. 5, May 1999
1		CROW, et al., The Jitney Parallel Optical Interconnect, 1996 Electronic Components and Technology Conference
8		R.T. CHEN and P.S. GULFOYLE (Eds.) Optoelectronic Interconnects and Packaging, Critical Reviews, Vol. CR62 (1996), Pgs. 48-63, 64-67, 229-243, 393-404, 405-414, 442-460, Spic Optical Engineering Press, Washington
B		R.G. HUNSPERGER, Integrated Optics: Theory and Technology (2nd Ed.), 1985, Pgs. 89-106, 236-245, Springer-Verlag Berlin Heidelberg, Germany
A		A. CHATAK and K. THYAGARAJAN, Introduction to Fiber Optics, 1998, Pgs. 411-413, 447-449, 467-473, Cambridge University Press, United Kingdom
B		R.C. DORF, Electrical Engineering Handbook, 1993, Pgs. 1682-1684, CRC Press, Inc., Florida
	-	
		
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	1	

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¹ Unique citation designation number.